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Sheet 1 of 1

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No. 50125/019001		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.		09/720,066		
		Applicant		Hallek et al.		
		Filing Date		12/18/00		
		Group		1634 M. Marvich		
(37 C.F.R. §1.98(b))		IDS Filed		March 15, 2001		
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
MM	WO 96/00587	Jan. 11, 1996	PCT			
MM	WO 97/38723	Oct. 23, 1997	PCT			
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
MM	Bartlett et al., (1999), "Targeted Adeno-associated Virus Vector Transduction of Nonpermissive Cells Mediated By A Bispecific F (ab') ₂ Antibody," <i>Nat. Biotechnol.</i> , 17:181-186.					
MM	Cosset et al., (1996), "Targeting Retrovirus Entry," <i>Gene Ther.</i> , 3:946-956.					
MM	Douglas et al., (1996), "Targeted Gene Delivery By Tropism-modified Adenoviral Vectors," <i>Nat. Biotechnol.</i> , 14:1574-1578.					
MM	Girod et al., (1999), "Genetic Capsid Modifications Allow Efficient Re-targeting of Adeno-associated Virus Type 2," <i>Nature Medicine</i> , 5:1052-1056.					
MM	Krasnykh et al., (1996), "Generation of Recombinant Adenovirus Vectors with Modified Fibers for Altering Viral Tropism," <i>J. Virol.</i> , 70:6839-6846.					
MM	Ohno et al., (1997), "Cell-specific Targeting of Sindbis Virus Vectors Displaying IgG-binding Domains of Protein A," <i>Nat. Biotechnol.</i> , 15:763-767.					
MM	Ruffing et al., (1994), "Mutations in the Carboxy Terminus of Adeno-associated Virus 2 Capsid Proteins Affect Viral Infectivity: Lack of an RGD Integrin-binding Motif," <i>J. Gen. Virol.</i> , 75:3385-3392.					
MM	Steinbach et al., (1997), "Assembly of Adeno-associated Virus Type 2 Capsids <i>In Vitro</i> ," <i>Biol. Abstr.</i> , 104, Ref. 46570.					
MM	Stevenson et al., (1997), "Selective Targeting of Human Cells by a Chimeric Adenovirus Vector Containing a Modified Fiber Protein," <i>J. Virol.</i> , 71:4782-4790.					
MM	Yang et al., (1998), "Development of Novel Cell Surface CD34-targeted Recombinant Adenoassociated Virus Vectors for Gene Therapy," <i>Hum. Gene Ther.</i> , 9:1929-1937.					
MM	Wickham et al., (1996), "Adenovirus Targeted to Heparan-containing Receptors Increases its Gene Delivery Efficiency to Multiple Cell Types," <i>Nat. Biotechnol.</i> , 14:1570-1573.					
EXAMINER			DATE CONSIDERED			
MM Marvich			10/1/03			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						

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	Serial No.	09/720,066
	Applicant	Hallek et al.
	Filing Date	October 19, 2001
	Group	1633
	IDS Filed	January 22, 2007

U.S. PATENT DOCUMENTS			
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant
MM	2001/031463	10/18/01	Kleinschmidt et al.
	2002/0192823	12/19/02	Bartlett et al. duplicate
	5,276,136	01/04/94	Skubitz et al.
MM	6,491,907	12/10/02	Rabinowitz et al.

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION				
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Translation (Yes/No)

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
MM	Anderson, "Human Gene Therapy," <i>Nature</i> 392:25-30 (1998).
	Asokan et al., "AAV Does the Shuffle," <i>Nature Biotechnology</i> 24:158-160 (2006).
	Buning et al., "Receptor Targeting of Adeno-Associated Virus Vectors," <i>Gene Therapy</i> 10:1142-1151 (2003).
	Grifman et al., "Incorporation of Tumor-Targeting Peptides into Recombinant Adeno-Associated Virus Capsids," <i>Molecular Therapy</i> 3:964-975 (2001).
	Hoque et al., "Nuclear Transport of the Major Capsid Protein is Essential for Adeno-Associated Virus Capsid Formation," <i>Journal of Virology</i> 73:7912-7915 (1999).
	Huttner et al., "Genetic Modifications of the Adeno-Associated Virus Type 2 Capsid Reduce the Affinity and the Neutralizing Effects of Human Serum Antibodies," <i>Gene Therapy</i> 10:2139-2147 (2003).
	Kmieciak, "Gene Therapy," <i>American Scientist</i> 87:240-247 (1999).
MM	Maass et al., "Recombinant Adeno-Associated Virus for the Generation of Autologous, Gene-Modified Tumor Vaccines: Evidence for a High Transduction Efficiency into Primary Epithelial Cancer Cells," <i>Human Gene Therapy</i> 9:1049-1059 (1998).

EXAMINER <u>M. Harich</u>	DATE CONSIDERED <u>9/23/07</u>
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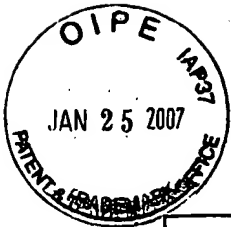
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

(37 C.F.R. § 1.98(b))



OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Maheshri et al., "Directed Evolution of Adeno-Associated Virus Yields Enhanced Gene Delivery Vectors," <i>Nature Biotechnology</i> 24:198-204 (2006).
	Marshall, "Second Child in French Trial is Found to Have Leukemia," <i>Science</i> 299:320 (2003). <i>duplicate</i>
	Meng et al., "Tumor Suppressor Genes as Targets for Cancer Gene Therapy," <i>Gene Therapy of Cancer Chapter 1</i> , pp. 3-18 (1999).
	Mizukami et al., "Adeno-Associated Virus Type 2 Binds to a 150-Kilodalton Cell Membrane Glycoprotein," <i>Virology</i> 217:124-130 (1996).
	Moskalenko et al., "Epitope Mapping of Human Anti-Adeno-Associated Virus Type 2 Neutralizing Antibodies: Implications for Gene Therapy and Virus Structure," <i>Journal of Virology</i> 74:1761-1766 (2000).
	Nicklin et al., "Efficient and Selective AAV2-Mediated Gene Transfer Directed to Human Vascular Endothelial Cells," <i>Molecular Therapy</i> 4:174-181 (2001).
	Perabo et al., "In Vitro Selection of Viral Vectors with Modified Tropism: The Adeno-Associated Virus Display," <i>Molecular Therapy</i> 8:151-157 (2003).
	Qing et al., "Human Fibroblast Growth Factor Receptor 1 is a Co-Receptor for Infection by Adeno-Associated Virus 2," <i>Nature Medicine</i> 5:71-77 (1999).
	Ried et al., "Adeno-Associated Virus Capsids Displaying Immunoglobulin-Binding Domains Permit Antibody-Mediated Vectors Retargeting to Specific Cell Surface Receptors," <i>Journal of Virology</i> 76:4559-4566 (2002).
	Russell, "Replicating Vectors for Gene Therapy of Cancer: Risks, Limitations and Prospects," <i>European Journal of Cancer</i> 30A:1165-1171 (1994).
	Shi et al., "Insertional Mutagenesis of the Adeno-Associated Virus Type 2 (AAV2) Capsid Gene and Generation of AAV2 Vectors Targeted to Alternative Cell-Surface Receptors," <i>Human Gene Therapy</i> 12:1697-1711 (2001).
	Shi et al., "RGD Inclusion of VP3 Provides Adeno-Associated Virus Type 2 (AAV2)-Based Vectors with a Heparan Sulfate-Independent Cell Entry Mechanism," <i>Molecular Therapy</i> 7:515-525 (2003).
	Smith et al., "The Challenges of genome Sequence Annotation or 'the Devil is in the Details,'" <i>Nature Biotechnology</i> , 15:1222-1223 (1997).
	Spear et al., "Evidence for Two Nucleotide Sequence Orientations Within the Terminal Repetition of Adeno-Associated Virus DNA," <i>Journal of Virology</i> 24:627-634 (1977).
	Starovasnik et al., "Structural Mimicry of a Native Protein by a Minimized Binding Domain," <i>Proc. Natl. Acad. Sci. USA</i> 94:10080-10085 (1997).
	Summerford et al., "Membrane Associated Heparan Sulfate Proteoglycan is a Receptor for Adeno-Associated Virus Type 2 Virions," <i>Journal of Virology</i> 72:1438-1445 (1998).

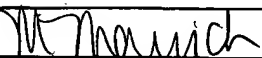
EXAMINER <i>M. Mawich</i>	DATE CONSIDERED <i>9/23/07</i>
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	Summerford et al., "αVβ5 Integrin: A Co-receptor for Adeno-Associated Virus Type 2 Infection," <i>Nature Medicine</i> 5:78-82 (1999).
	Tseng et al., "Evolutionary Model for Predicting Protein Function by Matching Local Surfaces: a Bayesian Monte Carlo Approach," The Ninth Annual Conference on Research in Computational Molecular Biology, May 14-18, 2005
	Verma et al., "Gene Therapy-Promises, Problems and Prospects," <i>Nature</i> 389:239-242 (1997).
	Wendtner et al., "Efficient Gene Transfer of CD40 Ligand into Primary B-CLL cells using recombinant Adeno-Associated Virus (rAAV) Vectors," <i>Blood</i> 100:1655-1661 (2002).
	White et al., "Designer" Gene Therapy May Target Specific Body Area," <i>Business News</i> 2:1-2 (2003).
	White et al., "Targeted Gene Delivery to Vascular Tissue in Vivo by Tropism-Modified Adeno-Associated Virus Vectors," <i>Circulation</i> 109:513-519 (2004).
	Wobus et al., "Monoclonal Antibodies Against the Adeno-Associated Virus Type 2 (AAV-2) Capsid: Epitope Mapping and Identification of Capsid Domains Involved in AAV-2-Cell Interaction and Neutralization of AAV-2 Infection," <i>Journal of Virology</i> 74:9281-9293 (2000).
	Wu et al., "Mutational Analysis of the Adeno-Associated Virus Type 2 (AAV2) Capsid Gene and Construction of AAV2 Vectors with Altered Tropism," <i>Journal of Virology</i> 74:8635-8647 (2000).

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